

DILUTION PROCESS BEGINS: ONCE THE DIGESTION PROCESS IS OVER, CLOSE VALVES V-3 AND V-5. STOP HOT WATER SUPPLY TO HEAT EXCHANGER AND START COLD WATER SUPPLY. OPEN VALVES V-1 AND V-4. SAMPLES ARE TAKEN BY OPENING VALVE V-2. DATA LOGGING CONTINUES. THE CYLINDER IS EMPTIED AT THE END OF DILUTION. 500 ml BOTTLES ARE FILLED WITH THE DIGEST AND MEDIA. SYSTEM EMPTYING BEGINS: CLOSE VALVE V-1. COLD WATER TO HEAT EXCHANGER IS STOPPED. OFF: CLOSE VALVE V-4. STOP THE PUMP. DATA LOGGING IS ALSO STOPPED. COMPLETE SYSTEM IS SWITCHED OFF. THE FILLED 500 ml BOTTLES ARE CENTRIFUGED TO FORM A PALLET. THE SUPERNATANT IS DISCARDED AND PALLETS ARE RECOMBINED. COBE 2991 IS PRIMED AND NEW BLOOD BAG IS INSERTED. AFTER 5 MIN. OF SPIN CYCLE, CONTENTS OF THE BLOOD BAG COLLECTED IN 500 ml TUBE. THE CONTENTS OF THE BAG ARE WASHED 3 TIMES. SAMPLES TAKEN. THE ISLET VISIBILITY TESTING IS DONE. ALSO, THE POST PURIFICATION ISLET COUNT IS DETERMINED. IF FOUND OK, THE BAG IS TAKEN TO THE OR FOR IMPLANTATION INTO THE PATIENT. END FIG. 2B

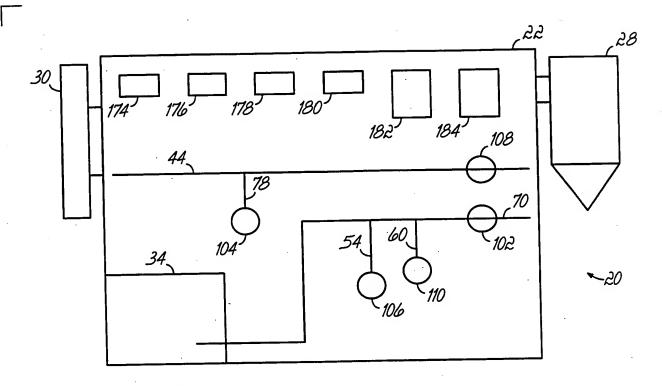


FIG. 3

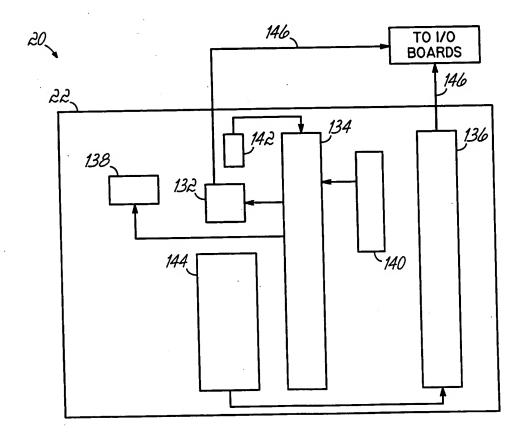


FIG. 4

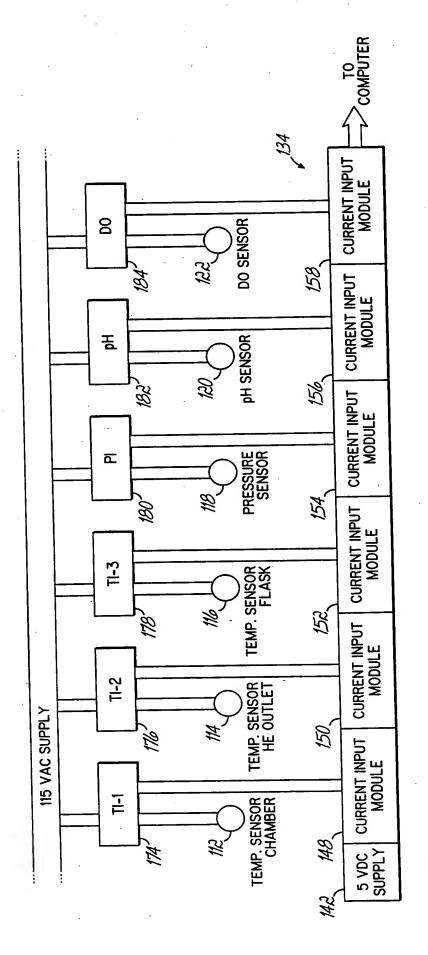
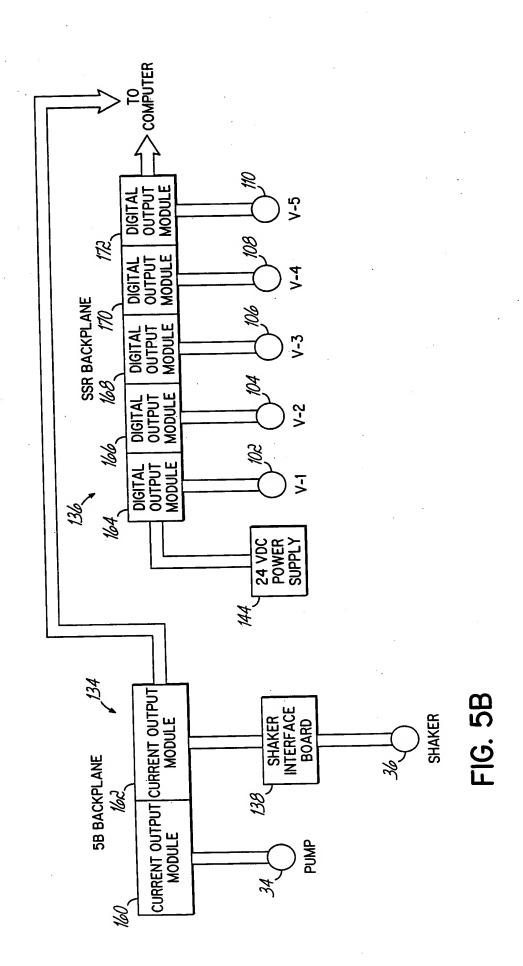


FIG. 5A



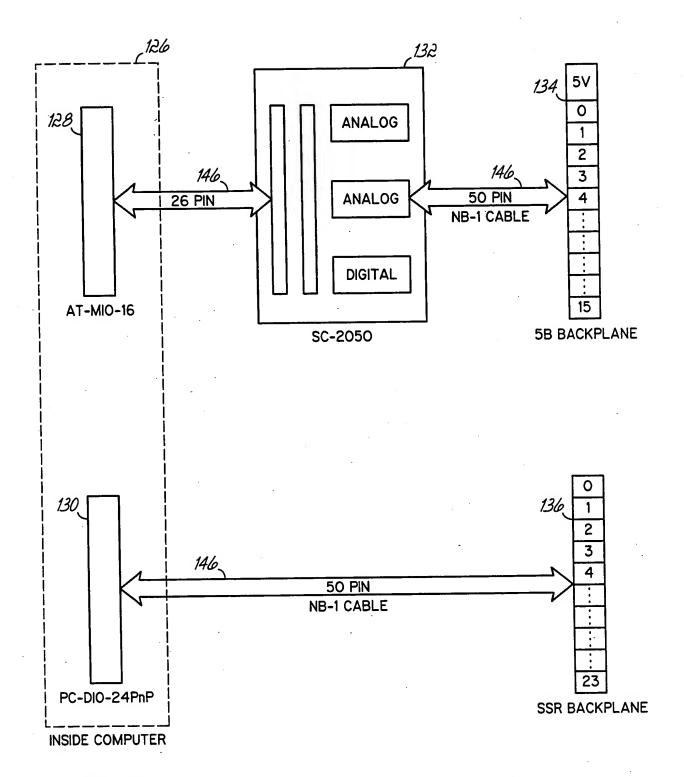


FIG. 6

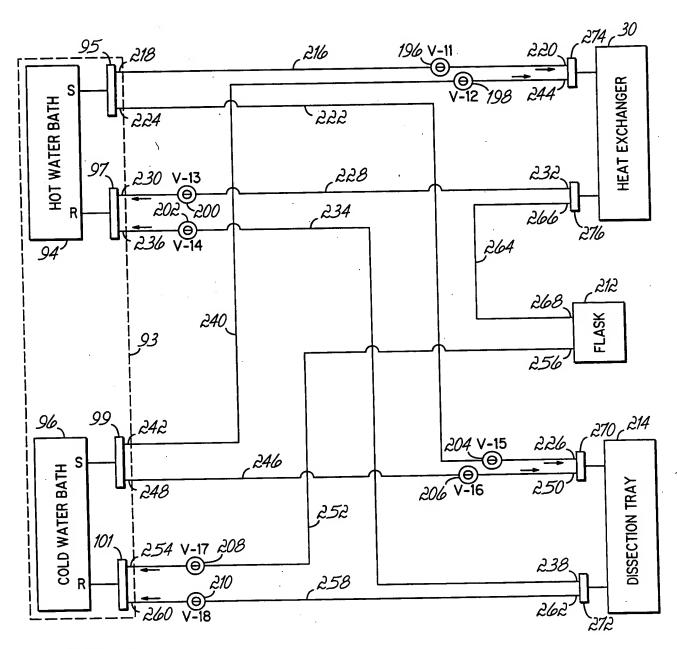


FIG. 7

